



## Army Sustainable Range Program (SRP)

# US Army Europe Integrated Training Area Management (ITAM) Program – Training Support and the Environment



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# Agenda

- **ITAM Program / Introduction**
  - **Historical**
  - **Mission**
- **Monitoring**
- **Land Rehabilitation and Maintenance**
- **GIS Products and Services**
- **Outreach**
- **Final Thoughts**



# About the ITAM Program

**ITAM** is one of two DA G3 “Enabler” programs - the other, RTLP – that supports the objectives of the Army Sustainable Range Program (SRP) to **maximize the capability, availability, and accessibility of ranges and training land** (AR 350-19)

**Strategy:** Recognize inherent **requirement to train on land**, the **effects** of training on the land, and the Army’s need to **sustain** its training land assets and its responsibility for environmental stewardship.

**Intent:** Execute ITAM **within operations and training channels**

## Components:

1. Land Rehabilitation and Maintenance
  2. Range and Training Land Assessment
  3. Training Requirements Integration
  4. Sustainable Range Awareness
- ❖ Geographic Information System

**Managing the Army’s Training Land “Platform” to Sustain its Future Use for Training**

# Integrated Training Area Management

## ITAM Mission

- Land Rehabilitation and Maintenance
  - ✓ Initial Focus: JMRC Hohenfels ('87 Flood)
  - ✓ Check Dams / Retention Basins ('90s)
  - ✓ 3K Acres Reseeded Annually ('90)
- Land Condition Monitoring
  - ✓ Land Condition Plots Monitored Annually ('86)
  - ✓ Annual Satellite Imagery ('86)
  - ✓ Runoff Monitoring Stations ('93)
- Geographic Information System (GIS) Data Acquisition
  - ✓ Aerial Orthoimagery ('92)
  - ✓ LIDAR (Sub-Meter Elevation Models) ('03)
  - ✓ NAVTEQ ('04)



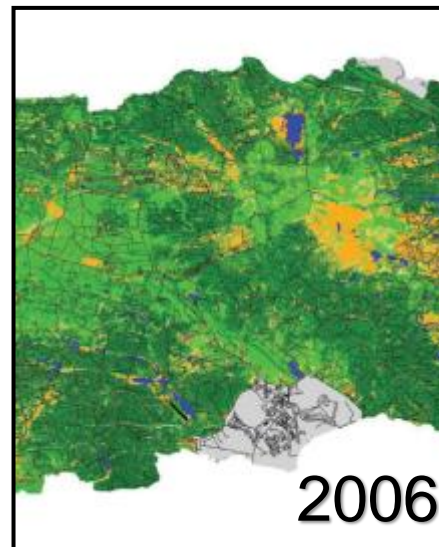


## Traditional Perspective

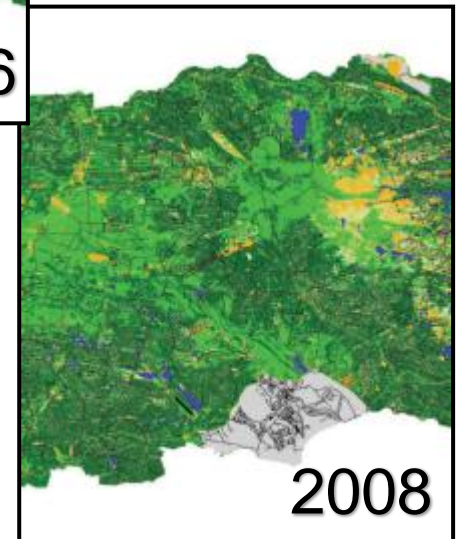


**RTLA** is used to characterize and monitor natural resources, geospatially and temporally. RTLA assessments generate installation-specific ecological information that is used to evaluate the impacts of training and testing activities.

## USAREUR Perspective



The **USAREUR RTLA** program identifies and tracks the distribution of land cover types using satellite imagery interpretation.



## Traditional Perspective

- LRAM projects were dominated by the concept of “sustainability” with a focus on the construction, repair and maintenance of a training area’s erosion control infrastructure.
- Currently the state of USAREUR’s Training Areas infrastructure is strong, and, in some cases, the roads and maneuver space are in a condition far superior to that of the Contemporary Operating Environment (COE).

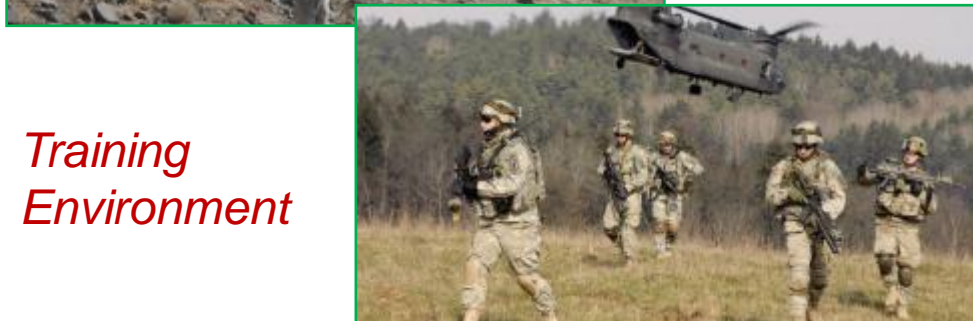


## In the Future!

- USAREUR ITAM will place a higher priority on projects that enhance training realism by attempting to create realistic training environments.



*Operating Environment*



*Training Environment*

## Select observations from the Afghanistan OE:

- Agriculture / pastoral land use surrounding villages
- Narrow passages
- Obstacles to walk over or hide behind, curbs, roofs, trash, low hanging wires.
- Lack of developed roads
- Recovery of vehicles
- Mountain, dismounted, rough terrain, little mounted







- **Hard Copies**
  - Soldier Field Cards
  - Installation Special Maps
  - Map Atlases
  - Raised Relief Maps
  - Military Installation Maps (MIMs)
- **Online**
  - SRP Website
  - Army Range Mapper
- **DVD**
  - ITAM Viewer
  - Flight Simulator



## USAREUR Standard Product Line:

- Hard Copies
  - Soldier Field Cards
  - Installation Special Maps
  - Map Atlases
  - Raised Relief Maps
  - Military Installation Maps (MIMs)
- Online
  - **NEW** - Army Range Mapper (ARM)
  - **NEW** - SRP Website
- DVD
  - **NEW** - ITAM Viewer
  - Flight Simulator



# Integrated Training Area Management Outreach

- Public support is critical for mitigating range encroachment challenges that can restrict or shut down training activities. **Much of the public is not aware of how or why the U.S. Army trains.**
- USAREUR ITAM plays an active role in supporting community outreach events, including dissemination of informational products detailing USAREUR's environmental commitment.







# Integrated Training Area Management Sharing with Multinational Partners



Swaziland



Tanzania



Romania



Malawi





# Integrated Training Area Management Quality Lands, Quality Soldiers



## Questions?

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